

POWER SUPPLY MODULE

ABSTRACT

The invention relates to a power supply module for high output currents, particularly a DC-DC converter, with a plate-shaped carrier element (10) configured to interact with a planar inductor and having a plurality of conductor layers, which has a suitably formed opening (12) to receive a core element of the planar inductor, on the component side is formed for automated mounting of electronic components (16), particularly a power semiconductor (14), and on the output side has a contact arrangement (40) to discharge the high output current. On the component side a strip- and/or rail-shaped bridge element (18) is provided, which forms a conductor for the output current and has a conductor cross section greater than 2 mm². Said bridge element, as a component independent of the carrier element, is preferably mounted and contacted on the carrier element by means of an automated assembly process.